

ap/1743

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C., 20231, on:

SAD
#3

Date: 8-20-02

By: Susan L. Baka
Susan L. Baka

PATENT 9.4.02



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Andreas MANZ *et al.*

APPLICATION No.: 09/995,554

FILED: November 28, 2001

FOR: **METHOD FOR CONTROLLING SAMPLE
INTRODUCTION IN MICROCOLUMN
SEPARATION TECHNIQUES AND
SAMPLING DEVICE**

EXAMINER:

Brown
~~NOT ASSIGNED~~

ART UNIT:

1743

CONFIRMATION No.:

1440

**Information Disclosure Statement Within Three Months of
Application Filing or Before First Action – 37 CFR 1.97(b)**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

1. Timing of Submission

This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 CFR 1.97(b)]. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

☒ Copies of the following references are enclosed:

- ☒ All cited references
- ☐ References marked by asterisks
- ☐ The following:

RECEIVED
AUG 28 2002
TC 1700



☐ Copies of the following references can be found in parent U.S. Application No.

- ☐ All cited references
- ☐ References marked by asterisks
- ☐ The following:

- ☐ The following references are not in English. For each such reference, the undersigned has enclosed (i) a translation of the reference; (ii) a copy of a communication from a foreign patent office or International Searching Authority citing the reference, (iii) a copy of a reference which appears to be an English-language counterpart, or (iv) an English-language abstract for the reference prepared by a third party. Applicant has not verified that the translation, English-language counterpart or third-party abstract is an accurate representation of the teachings of the non-English reference, though, and reserves the right to demonstrate otherwise.

- ☐ All cited references
- ☐ References marked by ampersands
- ☐ The following:

3. Effect of Information Disclosure Statement (37 CFR 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

4. Fee Payment

No fees are believed due. However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-2207.

RECEIVED

AUG 28 2002

TC 1700




Patent Term Adjustment (37 CFR 1.704(d))



The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Respectfully submitted,
Perkins Coie LLP

Date: 8-20-02


Larry W. Thrower
Registration No. 47,994

Correspondence Address:

Customer No. 22918
Perkins Coie LLP
P.O. Box 2168
Menlo Park, California 94026
(650) 838-4300

RECEIVED

AUG 28 2002

TC 1700

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**Form PTO-1449 (Modified)
(Use several sheets if necessary)**COMPLETE IF KNOWN**

Application Number	09,995,554
Confirmation Number	1440
Filing Date	November 28, 2001
First Named Inventor	Andreas Manz
Group Art Unit	1743
Examiner Name	Not Assigned
Attorney Docket No.	50225-8066.US08

Sheet 1 of 4

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		4,908,112		Pace	03/13/90	
		4,941,958		Byers	07/17/90	
		4,963,498		Hillman et al.	01/15/88	
		5,144,139		Hillman et al.	07/19/91	
		5,164,598		Hillman et al.	02/05/91	
		5,180,480		Manz	01/13/92	
		5,250,263		Manz	10/30/91	
		5,288,463		Chemelli	04/02/93	
		5,296,114		Manz	11/30/92	

RECEIVED
AUG 28 2002
TC 1700**FOREIGN PATENT DOCUMENTS**

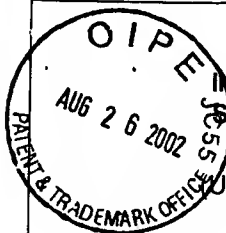
Examiner Initial	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
			EP356160A2		Stanford University	08/17/89		
			EP376611A2		Stanford University	12/20/89		
			WO91/16966		Pharmacia Biosensor AB	05/08/91		
			UK2191110A		The Plessey Company plc	06/06/86		

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		Burggraf, N., et al., "Synchronized Cyclic Capillary Electrophoresis: A Novel Concept for High-Performance Separations Using Low Voltages", <i>Analytical Methods and Instruments</i> , <u>1</u> (1): 55-59 (1993).	
		Deml, M., et al., "Electric Sample Splitter for Capillary Zone Electrophoresis", <i>Journal of Chromatography</i> , <u>320</u> : 159-165 (1985).	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

BY022270.091



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Form PTO-1449 (Modified)
Use several sheets if necessary)

COMPLETE IF KNOWN

Application Number	09/005,554
Confirmation Number	1440
Filing Date	November 28, 2001
First Named Inventor	Andreas Manz
Group Art Unit	1743
Examiner Name	Not Assigned
Attorney Docket No.	50225-8066.US08

Sheet 2 of 4

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		5,298,134		Zare et al.	05/20/93	
		5,376,252		Ekström et al.	11/10/92	
		5,480,614		Kamahori	03/16/94	
		5,599,432		Manz et al.	11/08/94	
		5,639,423		Northrup et al.	08/31/92	
		5,750,015		Soane et al.	03/13/96	
		5,858,195		Ramsey	02/03/97	
		6,001,229		Ramsey	08/01/94	
		6,280,589		Manz et al.	04/12/94	
		6,322,683		Wolk et al.	04/14/99	

RECEIVED
AUG 28 2002
TC 1700

FOREIGN PATENT DOCUMENTS

Examiner Initial	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

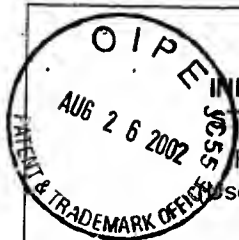
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		Effenhauser, Carlo S., "Effects of Electrokinetic Sample Injection on the Composition of Small Volume Samples in Capillary Electrophoresis", <i>Analytical Methods and Instrumentation</i> 1: (3) 172-176 (1993).	
		Effenhauser, C.S., et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights", <i>American Chemical Society</i> 65: 2637-2642 (1993).	
		Harrison, D.J., et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip", <i>Analytical Chem</i> 64 (17): 1927-1932 (1992).	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

BY022270.091

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**Form PTO-1449 (Modified)
(Use several sheets if necessary)**COMPLETE IF KNOWN**

Application Number	09/555,554
Confirmation Number	1440
Filing Date	November 28, 2001
First Named Inventor	Andreas Manz
Group Art Unit	1743
Examiner Name	Not Assigned
Attorney Docket No.	50225-8066.US08

Sheet 3 of 4

RECEIVED
AUG 28 2002
TC 1700**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

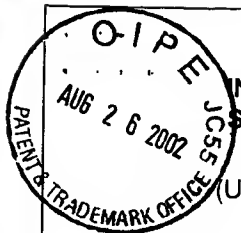
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		Harrison, D.J., <i>et al.</i> , "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip", <i>Science</i> <u>261</u> :895-897 (1993).	
		Harrison, D.J., <i>et al.</i> , "Miniaturized Chemical Analysis Systems and their Fabrication: An Alternative to Chemical Sensors", <i>The Electrochemical Society, Inc., Chemical Sensors II</i> , <u>93-7</u> : 546-552 (1993).	
		Harrison, D.J., <i>et al.</i> , "Rapid separation of fluorescein derivatives using a micromachined capillary electrophoresis system", <i>Analytica Chimica Acta</i> , <u>283</u> : 361-366 (1993).	
		Harrison, D.J., and Glavina, P.G., "Toward miniaturized electrophoresis and chemical analysis systems on silicon: an alternative to chemical sensors", <i>Sensors and Actuators B10</i> : 107-116 (1993).	
		Koutny, L.B., <i>et al.</i> , "Microscale Chemical Instrumentation: Capillary Separations on a Chip", <i>Thirty-Third ORN/DOE Conference On Analytical Chemistry in Energy Technology</i> (1992).	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

BY022270.091



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Form PTO-1449 (Modified)
(Use several sheets if necessary)

COMPLETE IF KNOWN

Application Number	09,554,554
Confirmation Number	1440
Filing Date	November 28, 2001
First Named Inventor	Andreas Manz
Group Art Unit	1743
Examiner Name	Not Assigned
Attorney Docket No.	50225-8066.US08

Sheet 4 of 4

RECEIVED
AUG 28 2002
TC 1700

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		Manz, A., et al., "Design of an Open-tubular Column Liquid Chromatograph Using Silicon Chip Technology", <i>Sensors and Actuators</i> , <u>B1</u> : 249-255 (1990).	
		Manz, A., et al., "Miniaturized Total Chemical Analysis Systems: a Novel Concept for Chemical Sensing", <i>Sensors and Actuators</i> , <u>B1</u> :244-248 (1990).	
		Manz, A., et al., "Planar Chips Technology for Miniaturization of Separation Systems: A Developing Perspective in Chemical Monitoring", <i>Advances in Chromatography</i> , <u>33</u> : 2-66 (1993).	
		Pentoney, S.L., et al., "On-Line Connector for Microcolumns: Application to the On-Column o-Phthaldialdehyde Derivatization of Amino Acids Separated by Capillary Zone Electrophoresis", <i>Anal. Chem.</i> , <u>60</u> : 2625-2629 (1988).	
		Seiler, K., et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency", <i>Anal. Chem.</i> , <u>65</u> : 1481-1488 (1993).	
		Steghuis, D.S., et al., "Analyte focusing in capillary electrophoresis using on-line isotachopheresis", <i>Journal of Chromatography</i> , <u>591</u> : 341-349 (1992).	
		Verheggen, P.E.M., et al., "Simple sampling device for capillary isotachopheresis and capillary zone electrophoresis", <i>Journal of Chromatography</i> , <u>452</u> :615-622 (1988).	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

BY022270.091